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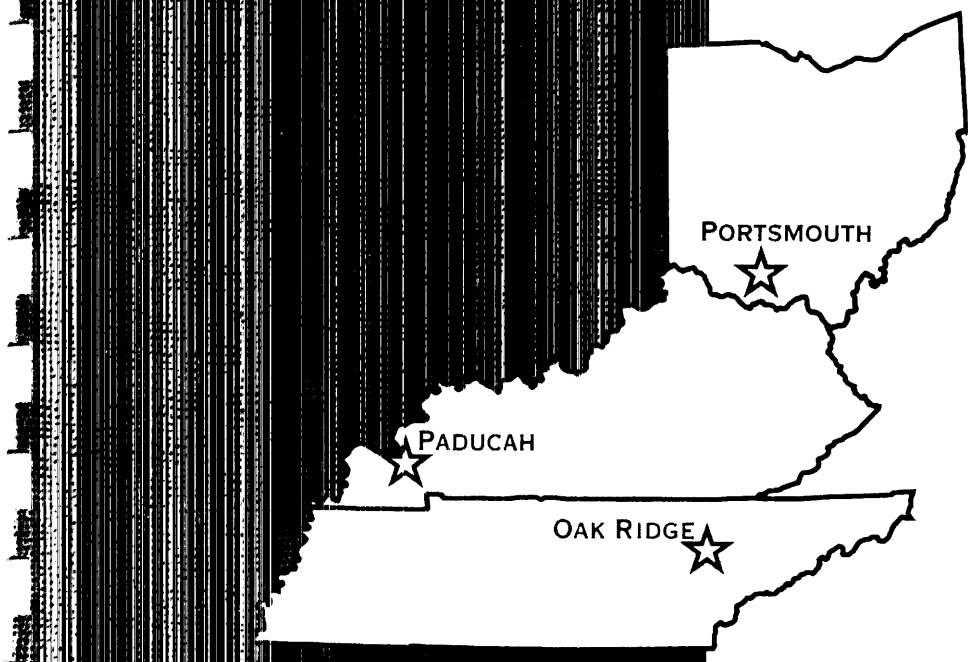
BJC/PAD-354/R1

ENVIRONMENTAL MANAGEMENT
& ENRICHMENT FACILITIES
MANAGEMENT AND INTEGRATION CONTRACT

Final Inventory/Characterization Report for the OS-10 Department of Energy Material Storage Area at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky



MANAGED BY
BECHTEL JACOBS COMPANY LLC
FOR THE UNITED STATES
DEPARTMENT OF ENERGY

'This document has received the appropriate reviews **for release** to the **public.**

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BJC/PAD-354/R1

Final Inventory/Characterization Report for the OS-10 Department of Energy Material Storage Area (DMSA) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky

Date Issued – September 18, 2002

Prepared by
WESKEM, LLC
Under subcontract 23900-BA-RM005F
Prepared for the
US Department of Energy
Office of Environmental Management

BECHTEL JACOBS COMPANY LLC
managing the
Environmental Management Activities at the
East Tennessee Technology Park
Oak Ridge Y-12 Plant Oak Ridge National Laboratory
Paducah Gaseous Diffusion Plant Portsmouth Gaseous Diffusion Plant
Under contract DE-AC05-98OR22700
for the
U.S. DEPARTMENT OF ENERGY

This report is an abridged edition. The following sections have been omitted from this report, but are included in the full report.

OS-10 DMSA ZONE MAP

HP SURVEY DATA

SME INSPECTION

CONTENTS

ACRONYMS

ADC	Authorized Derivative Classifier
DMSA	Department of Energy Material Storage Area
DOE	Department of Energy
EPA	Environmental Protection Agency
ft^2	Square Feet
ft^3	Cubic Feet
HP	Health Physics
IH	Industrial Hygiene
Lc	Level Sub C
LLW	Low Level Waste
NCS	Nuclear Criticality Safety
OS	Outside
PCB	Polychlorinated Biphenyl
PEL	Permissible Exposure Limits
PGDP	Paducah Gaseous Diffusion Plant
RCRA	Resource Conservation and Recovery Act
RCW	Recirculatory Water
RFD	Request for Disposal
SME	Subject Matter Expert
SWMU	Solid Waste Management Unit
TIO	Technical Information Officer
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act

Executive Summary

Department of Energy Materials Storage Area (DMSA) Outside (OS)-10 area is located east of C-635 Recirculatory Water (RCW) Pump House and borders on 11th Street. This DMSA is also identified as Solid Waste Management Unit (SWMU) #221. OS-10 occupies 750 square feet (ft^2). This DMSA was initially classified as a Phase 1 DMSA (expected to have no fissionable material but not fully characterized). The area contained approximately 414 cubic feet (ft^3) of scrap metal and an empty sulfuric acid tank. The items were properly characterized and dispositioned to the DOE scrapyard prior to initiation of current work activities. Request for Disposal Forms (RFDs) are available for confirmation of the waste transaction. The initial film documentation of OS-10 in early 2001 verified no material inside the DMSA boundary signs and ropes. This initial action was then re-verified by an entry made by a DMSA Inspector on February 12,2002. This DMSA now qualifies as a Phase 3 DMSA since it has been fully characterized and contains no fissionable material.

RCRA/Mixed

There were no Resource Conservation and Recovery Act (RCRA)/Mixed items found in this DMSA.

TSCA/PCB

There were no Toxic Substances Control Act (TSCA)/Polychlorinated Biphenyl (PCB) items in this DMSA.

LLW

No low level waste (LLW) was identified in the DMSA.

NCS

There were no **NCS** concerns identified in this DMSA.

IH

All Industrial Hygiene (IH) data has been reviewed. All quality control samples were within normal acceptance guidelines. No personnel were exposed to airborne concentrations above the permissible exposure limits (PEL) or threshold-limiting value.

HP

A Health Physics (HP) survey was completed on January 9,2002. The survey indicated no radiological detection around the boundary or within the DMSA.

Safety

No accidents or injuries were associated with this DMSA.

The area was photographed for documentation purposes. These photographs are part of the **DMSA** Control Files. **A** photograph has been incorporated in this report and is located in section one.

DMSA OS-10


DOE MATERIAL
STORAGE AREA
DO NOT ENTER
UNLESS AUTHORIZED IN ACCORDANCE
WITH PROCEDURE CP2-EW-WM1046

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